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FROM: CITY OF PEORIA JEFFERSON OFC 3 PHONE NO.: 309 672 8654

Dec. 05 1999 01:36PM P2

Exhibit 6.1

Dear: KEUIN

The Peoria Fire Department's requirements for water supplies are as follows:

HYDRANT SPACING

- X The requirement for hydrant spacing in residential areas (1-2 family) is one hydrant at each intersection and at no greater spacing than 500 feet along a street (multi-family same as commercial)
- X The requirement for commercial areas is one hydrant at each intersection and at no greater spacing than 300 feet along a street.
- X Private hydrants are required in commercial/private property when structures are located more than 300 feet from the public right-of-way.

All measurements are calculated factoring hard surfaces, as the fire equipment drops hose lines that cannot be utilized over obstacles such as ditches, fences, wooded areas, and similar barriers. Firefighters cannot pull five inch wide hose over or through the above mentioned obstacles to make hydrant connections.

WATER MAIN SIZES

- Use 8" minimum for residential areas. Six-inch pipe to be used only where it will complete a good grid and is cross-connected at intervals not exceeding 600 feet.
- Use 8-and 12-inch pipe for shopping centers and industrial areas. Eight-inch pipe to be used only in sections where it will complete a good grid, and 12-inch for long lines not interconnected. Larger size mains may be needed depending upon size, layout, and occupancy of the structure.
- Use at least 8-inch pipe for multiple housing developments.

This information has been taken from the <u>WATER SUPPLIES FOR FIRE PROTECTION</u> manual from the International Fire Service Training Association, Fourth Edition.

If you should have any questions or if I can be of further service, do not hesitate to call our office.

J. James Column

Captain/Inspections